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Winter 2012

## CS 142-01: Computer Programming II

John P. Herzog

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**CS 142**  
**Computer Programming II**  
**Witner 2012**

**Instructor:** John Herzog

**Office hours:** 7:30 pm – 8:30 pm TTh (or by appointment)

**Office:** 160 Russ

**Phone:** 937-390-9169 or Cell 937-206-3423

**email:** [jherzog72@yahoo.com](mailto:jherzog72@yahoo.com)

IF YOU E-MAIL ME AND GET NO RESPONSE, CALL ME!

**TA:** Joe Hendrix – **E-mail** [hendrix.11@wright.edu](mailto:hendrix.11@wright.edu)

**Office hours:** (316 Russ)

An hour before the first lab and an hour after the second

10:00AM - 11:00AM and 3:30PM - 4:30PM Fridays

**Course description:** Concepts introduced in CS 141 are developed in greater detail and depth. Emphasis on verification and testing of programs. Three hours of lecture, two hours lab.

**Textbook:** **Java for Everyone for WSU**, Cay Horstmann, John Wiley and Sons, Inc. ISBN-13: 9780470912119. You may also use the general “Java for Everyone” edition (ISBN 978-0-471-79191-1) with the understanding that some chapters will be available on-line only.

**Software:** This course uses the Java programming language and the NetBeans IDE.

To install on a home PC: Download the latest version of Java and NetBeans at this site:

<http://java.sun.com/javase/downloads/index.jsp> Click on the NetBeans icon labeled “jdk + NetBeans Bundle”; then choose the **JDK 6 Update 24 with NetBeans 6.9.1** download.

To install on a Mac: Java is pre-installed on Macs. You will need to install NetBeans only.

Download from this site: <http://netbeans.org> Click the “Download NetBeans IDE 6.9.1” button.

**Pilot/campus email:** <http://pilot.wright.edu> Pilot will be used in this course for submitting projects and for accessing course materials and grades. It is the student’s responsibility to check the Pilot site, as well as his/her WSU email, for course announcements, updates to project requirements, etc.

**Lab Facilities:** Open labs are available for your use in Russ 152C, 152D, and the library annex. Russ labs are open 24/7; library lab information can be found at <http://www.wright.edu/cats/labs/> Although you may find it convenient to work at home, make a note of these lab locations in the event that you have a problem with your personal computer (hard drive crash, inability to print, etc.). Because lab facilities are so widely available at Wright State, personal computer issues are not an acceptable excuse for turning in late work.

**Help Room:** The Department of computer Science and Engineering maintains a help room, staffed by upper-level students, for students in introductory programming classes. The help room is located in Russ 308. Help room hours will be posted on the course web site once they are determined.

**Students with disabilities:** Any student with a disability must inform the instructor of the special accommodations needed as soon as possible. The Office of Disability Services can provide an evaluation to determine what accommodations are appropriate.

### **Attendance and Grading Policies**

**Lab work (CS142L):** Lab work from these sections will be included in your CS142 grade. Lab attendance is mandatory for all graded labs (see lab schedule for specific dates), and lab work must be turned in at the end of each lab session. **There is no make-up work allowed for lab work;** however, the lowest lab grade received during the term will be dropped before your final grade is calculated.

**Projects:** Five (5) programming projects will be assigned during the quarter. Due dates/times for projects can be found on the course web site. Late work will be accepted up to 24 hours after the initial deadline, but will incur a 10% penalty. Work will not be accepted after the 24-hour grace period. **If projects are not uploaded correctly, do not compile, or do not run in the NetBeans environment they will not be graded -- they will receive a 0.** Projects that run but are incomplete will be given partial credit. The scores for all five programming projects will be used in calculating your final course grade.

**Quizzes:** On-line quizzes will be given each week. Students may access the quiz through the course website at the end of each week of class. Each week's quiz will be available from Friday noon through Monday noon. The quizzes are open book and open note, and have a 30-minute time limit. Three attempts for each quiz are allowed; only the highest score for the three attempts will be used in your course grade calculation. **There is no make-up work allowed for quizzes;** however, the lowest quiz grade received during the term will be dropped before your final grade is calculated.

**Exams:** A midterm exam and a comprehensive final exam will be given. Normally, **makeup exams will not be given.** However, there are two exceptions: (1) the student has an extremely important, binding engagement the same time as the exam. In this case, the student must make arrangements with the instructor to take the exam **before** the scheduled time. (2) The student has an extreme illness or emergency that prevents him/her from taking the exam. In this case, the student must contact the instructor within 24 hours of the exam time to arrange a make-up, and the student must be able to provide documentation of the illness/emergency. Exams are closed book, no computer. However, a 3" x 5" note card may be used during the exams.

**Academic misconduct:** All work in this class is to be completed individually. While you may find it helpful to discuss the homework assignments with other students in the class, be careful that your work is your own. Also, do not "share" your work with other students. Credit will not be given for work that duplicates another student's work or that was completed as a team effort. In addition, the university policy on academic misconduct will be followed in cases where academic dishonesty is suspected. This policy can be found at <http://www.wright.edu/students/judicial/integrity.html>

**Grading:** The course grade will be calculated by weighting the various graded components of the course as given below. The grading scale is [90-100] A; [80-90) B; [70-80) C; [60-69) D; [0-60) F.

Projects: 35%

Labs: 12%

On-line quizzes: 8%

Midterm exam: 20%

Final exam: 25%

| CS 142 Lecture Schedule                              |                             |   |                       |
|--|-----------------------------|---|-----------------------|
| Week   | Dates                       | Topics  | Reading               |
| Week 1   | Tuesday, January 03, 2012   | Course Orientation  |                       |
|  | Thursday, January 05, 2012  | Review basic programming concepts (data types; if statements; loops; methods; input/output) | Chapters 1-5; 8.1-8.2 |
| Week 2   | Tuesday, January 10, 2012   | Arrays; 2D arrays   | Chapter 6             |
|  | Thursday, January 12, 2012  |   |                       |
| Week 3   | Tuesday, January 17, 2012   | ArrayLists, Algorithms  | Chapter 6, Chapter 1  |
|  | Thursday, January 19, 2012  |   |                       |
| Week 4   | Tuesday, January 24, 2012   | Objects and Classes   | Chapter 7             |
|  | Thursday, January 26, 2012  |   |                       |
| Week 5   | Tuesday, January 31, 2012   | Objects and Classes (Continued)   |                       |
|  | Thursday, February 02, 2012 | Objects and Classes (Continued), Review For Midterm   |                       |
| Week 6   | Tuesday, February 07, 2012  | <b>Midterm Exam</b>   | Section 8.3           |
|  | Thursday, February 09, 2012 | Exception Handling  |                       |
| Week 7   | Tuesday, February 14, 2012  | Inheritance and Interfaces  | Chapter 9             |
|  | Thursday, February 16, 2012 |   |                       |
| Week 8   | Tuesday, February 21, 2012  | Collections   | Chapter 10            |
|  | Thursday, February 23, 2012 |   |                       |
| Week 9   | Tuesday, February 28, 2012  | Graphical User Interfaces   | Chapter 12            |
|  | Thursday, March 01, 2012    |   |                       |
| Week 10  | Tuesday, March 06, 2012     | Recursion   | Chapter 13            |
|  | Thursday, March 08, 2012    | Review for final exam   |                       |
| Week 11  | Tuesday, March 13, 2012     | <b>Final Exam 6:05-7:55 In classroom</b>  |                       |
| Chapters should be read by before the class meeting. |                             |   |                       |